

Technical Data Sheet



ALTECH PA66 A 1000/510 IM

Base Polymer	Polyamide 66
Colour	black
Special Features	impact modified,heat stabilised
Market Segment	Automotive
Application Area	injection moulded parts,interior decoration / finishing,exterior parts

Pre-Drying Conditions	80 °C in a dry air (dessiccant) dryer for 2-12 h dependant on moisture content max. moisture content <0,15 %
Processing Injection Moulding	melt temperature 270-290 °C mould temperature 60-100 °C
Storage	dry, protected from light

Properties	dry/cond.	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	2300 / -	MPa	ISO 178
Flexural Stress (3.5% Strain)	74 / -	MPa	ISO 178
Tensile Modulus	2500 / -	MPa	ISO 527
Tensile Stress at Yield	60 / -	MPa	ISO 527
Tensile Elongation at Yield	4.6 / -	%	ISO 527
Tensile Elongation at Break	20 / -	%	ISO 527
Impact Strength (Charpy, 23°C)	no break / -	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	16 / -	kJ/m ²	ISO 179/1eA
Thermal Properties			
HDT / A (1,8 MPa)	66 / *	°C	ISO 75-1/-2
DSC (Melt Point)	265 / *	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	50 / *	cm ³ /10min	ISO 1133
MVR temperature	275 / *	°C	-
MVR load	5 / *	kg	-
Shrinkage (lengthwise, 24h)	1.2 - 1.6	%	ISO 294-4
Shrinkage (lateral, 24h)	1.5 - 1.9	%	ISO 294-4
Physical Properties			
Density	1100 / -	kg/m ³	ISO 1183